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54 **Transaction management in object oriented systems.**

57 This disclosure describes a solution to this basic problem of transaction management for systems which use the object metaphor to define the interfaces between different components of a system. An elegant solution is described which defines a transaction manager protocol and process, which is independent of the operating system micro-kernel's interprocess communication activities. The object-oriented transaction manager ("TM") creates transactions, keeps track of all object managers (servers) that are a part of a transaction, and coordinates transaction termination among all objects that are involved in the transaction. In addition, operations by naive applications can be made to execute under transaction control without modifying the applications.

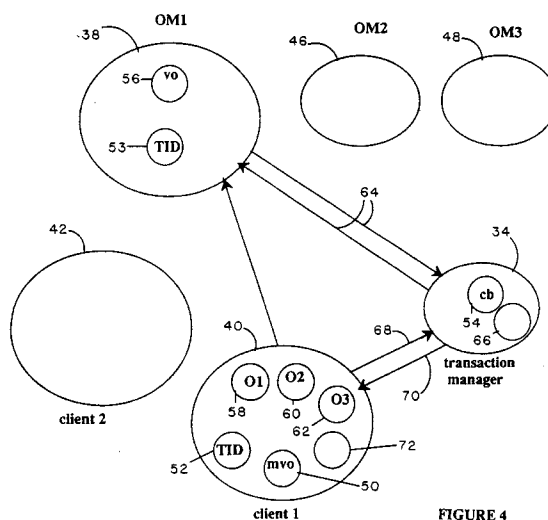


FIGURE 4

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
A	IBM TECHNICAL DISCLOSURE BULLETIN. vol. 31, no. 2 , July 1988 , NEW YORK US pages 114 - 115 'Transaction Processing System for the IBM PC.' * the whole document * ----	1-42	G06F9/44 G06F9/46
A	OOPS MESSENGER vol. 3, no. 3 , July 1992 pages 10 - 13 GUERRAUI 'Dealing with Atomicity in Object-Based Distributed Systems.' * the whole document * -----	1-42	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			G06F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 November 1994	Examiner Brandt, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			